

I. IN THE SPECIFICATION:

Please amend the substitute specification, filed on June 14, 2004, as follows:

1. Kindly replace paragraph [0051], page 17, line 24, to page 18, line 9, and which begins with “With regards to...,” with the following new paragraph:

With regards to automatic determination of resolution, in addition to the method based constraints arising from shapes and the disparity in physical properties between adjacent cells as already described, there are constraints determined by the memory size and computing time required for processing, and constraints arising from pre-designated absolute accuracy settings. For example, the pre-designated absolute accuracy may be constrained so that when the cell width is $1\text{ }\mu\text{m}$, further Octree division is stopped. When any one of all these above listed constraints is satisfied, the Octree division of space is stopped. This condition can provide representation having necessary and minimal resolution, thereby making implementation more practical.